

## CLAIMS

What is claimed is:

- 5                   1. A wireless piconet device, comprising:  
a wireless piconet front end; and  
a GPS receiver in communication with said wireless piconet front end.
- 10                  2. The wireless piconet device according to claim 1,  
wherein:  
said wireless piconet front end is a BLUETOOTH conforming wireless piconet front end.
- 15                  3. The wireless piconet device according to claim 1, further comprising:  
a password entry module allowing a user of said wireless piconet device to enter an authorizing password for transmission over said wireless piconet front end.
- 20                  4. A wireless piconet server, comprising:  
a wireless piconet front end;  
an earth coordinates authorization module to determine authority of a received set of coordinates to gain access to a wireless network; and  
25                  boundary coordinates corresponding to a predetermined secured area for access to said wireless network.

5. The wireless piconet server according to claim 4,  
wherein:

said wireless piconet front end is a BLUETOOTH conforming  
piconet front end.

5

6. The wireless piconet server according to claim 4, further  
comprising:

a password authorization module to determine authority of a  
wireless piconet network device to gain access to said wireless network.

10

7. The wireless piconet server according to claim 1, further  
comprising:

an exchange information database to be synchronized with  
another exchange information database over said wireless network.

15

8. The wireless piconet server according to claim 7,  
wherein:

said exchange information database is synchronized only  
when said GPS receiver reports a location within a predetermined area.

20

9. A method of authorizing a wireless piconet network  
device to gain access to a wireless network, comprising:

receiving a set of earth coordinates from said wireless  
piconet network device;

25

comparing said received set of earth coordinates to  
predetermined boundaries of a secured area; and

authorizing said wireless piconet network device to gain  
access to said wireless network based on said received set of earth  
coordinates.

30

10. The method of authorizing a wireless piconet network device to gain access to a wireless network according to claim 9, further comprising:

5 determining if said received set of earth coordinates are within said predetermined boundaries of said secured area.

11. The method of authorizing a wireless piconet network device to gain access to a wireless network according to claim 9, wherein:

10 said earth coordinates are received from said wireless piconet network device over said wireless network.

12. The method of authorizing a wireless piconet network device to gain access to a wireless network according to claim 9, further comprising:

15 receiving a password from said wireless piconet network device;

comparing said received password to a pre-authorized list of passwords; and

20 authorizing said wireless piconet network device to gain access to said wireless network only if both said received set of earth coordinates are within predetermined boundaries of said secured area and said received password is present in said pre-authorized list of passwords.

25

13. Apparatus for authorizing a wireless piconet network device to gain access to a wireless network, comprising:

means for receiving a set of earth coordinates from said wireless piconet network device;

5 means for comparing said received set of earth coordinates to predetermined boundaries of a secured area; and

means for authorizing said wireless piconet network device to gain access to said wireless network based on said received set of earth coordinates.

10

14. The apparatus for authorizing a wireless piconet network device to gain access to a wireless network according to claim 13, wherein:

15 said means for receiving receives said earth coordinates from said wireless piconet network device over said wireless network.

15. The apparatus for authorizing a wireless piconet network device to gain access to a wireless network according to claim 13, further comprising:

20 means for receiving a password from said wireless piconet network device; and

means for comparing said received password to a pre-authorized list of passwords;

25 wherein said means for authorizing authorizes said wireless piconet network device to gain access to said wireless network only if both said received set of earth coordinates are within said predetermined boundaries of said secured area and said received password is present in said pre-authorized list of passwords.

30